# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product name** Bactericidal Hard Surface Cleaner

**Product code** 601

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Cleaning agent.

### 1.3. Details of the supplier of the safety data sheet

**Supplier**
Kitchenmaster NI Ltd
11 Comber Road
Belfast
BT8 8AN
028 9081477
02890812881
sales@kitchenmaster-ni.com

**Contact Person** SDS Contact: sds@kitchenmaster-ni.com

### 1.4. Emergency telephone number

Emergency Telephone Number: 028 9081 4777
08:30 – 17:00 Monday to Thursday
08:30 – 16:30 Friday

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### 2.1.1 Classification (EC 1272/2008)

**Physical and Chemical Hazards** Not classified.

**Human Health** Skin Corr. 1B - H314

**Environment** Not classified.

#### 2.1.2 Classification (1999/45/EEC)

Not classified.

### 2.2. Label elements

#### 2.2.1 Label in Accordance With (EC) No. 1272/2008

**Contains** Not applicable

**Detergent Labelling** < 5% phosphates
non-ionic surfactants

**Pictogram(s)**

**Signal Word** Danger

**Hazard Statements** H314 Causes severe skin burns and eye damage.

**Precautionary Statements**
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

This product is a preparation.

### 3.2. Mixtures

| Product name | Product identifier | REACH Registration | % | Classification (1999/45/EEC) | Classification (EC 1272/2008) |
|---|---|---|---|---|---|
| 2-BUTOXYETHANOL | CAS: 111-76-2<br>EC: 203-905-0 | 01-2119475108-36-xxxx | 1-10% | Xn;R20/21/22<br>Xi;R36/38 | Acute Tox. 4 - H302<br>Acute Tox. 4 - H312<br>Acute Tox. 4 - H332<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319 |
| Alcohols,C12 -15, ethoxylated | CAS: 68131-39-5<br>EC: 500-195-7 | | < 1% | Xn;R22.<br>Xi;R41.<br>N;R50. | Acute Tox. 4 - H302<br>Eye Dam. 1 - H318<br>Aquatic Acute 1 - H400 |
| PROPAN-2-OL | CAS: 67-63-0<br>EC: 200-661-7 | 01-2119457558-25 | 1-10% | F;R11<br>Xi;R36<br>R67 | Flam. Liq. 2 - H225<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H336 |
| SODIUM HYDROXIDE | CAS: 1310-73-2<br>EC: 215-185-5 | | < 1% | C;R35. | Skin Corr. 1A - H314 |
| Tetrapotassium Pyrophosphate | CAS: 7320-34-5<br>EC: 230-785-7 | | 1-10% | Xi;R36. | Not classified. |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

The data shown is in accordance with the latest EC directives

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

| | |
|---|---|
| **General Information** | General first aid, rest, warmth and fresh air. |
| **Inhalation** | Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention. |
| **Ingestion** | Remove victim immediately from source of exposure. Rinse mouth thoroughly. Do not induce vomiting. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention immediately! |
| **Skin contact** | Remove victim immediately from source of exposure. Remove contaminated clothes and rinse skin thoroughly with water. Contact physician if irritation continues or sores develop. |
| **Eye contact** | Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Obtain medical attention for all cases where eye contact occurs |

### 4.2. Most important symptoms and effects, both acute and delayed

| | |
|---|---|
| **Inhalation** | Inhalation of mist or vapor may cause respiratory tract irritation |
| **Ingestion** | May cause chemical burns in mouth and throat. May cause severe internal injury. |
| **Skin contact** | Corrosive. Causes severe skin burns |
| **Eye contact** | Extreme irritation of eyes and mucous membranes, including burning and tearing. Corrosive to eyes. |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

| | |
|---|---|
| **Extinguishing Media** | This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials |

### 5.2. Special hazards arising from the substance or mixture

| | |
|---|---|
| **Hazardous combustion products** | When heated, toxic and corrosive vapours/gases may be formed. During fire, toxic gases (CO, CO2) are formed |
| **Unusual Fire & Explosion Hazards** | No unusual fire or explosion hazards noted. |
| **Specific hazards** | Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). |

### 5.3. Advice for firefighters

| | |
|---|---|
| **Special Fire Fighting Procedures** | If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water |
| **Protective equipment for fire-fighters** | Self contained breathing apparatus and full protective clothing must be worn in case of fire |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. In case of inadequate ventilation, use respiratory protection.

### 6.2. Environmental precautions

Do not discharge onto the ground or into water courses

### 6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. DO NOT touch spilled material! When dealing with a spillage, please consult the section relating to suitable protective measures. Wear necessary protective equipment. Absorb spillage with non-combustible, absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Do not use contact lenses. Keep away from heat, sparks and open flame.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep upright. Do not mix with other chemicals. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store seperate from other products which react with acids or bases and strong oxidising agents.

### 7.3. Specific end use(s)

**Usage Description** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

| Name | STD | TWA 8 Hrs | | STEL 15 Min | | Notes |
|---|---|---|---|---|---|---|
| PROPAN-2-OL | OEL | 200 ppm | | 400 ppm | | |
| | WEL | 400 ppm | 999 mg/m3 | 500ppm | 1250 mg/m3 | |
| SODIUM HYDROXIDE | OEL | - | | - | 2 mg/m3 | - |
| | WEL | No Std | No Std | No Std | 2 mg/m3 | |

**Ingredient Comments** OEL - Occulational Exposure Limit - Ireland, Occupational Exposure Limits 2011
WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits

### 8.2. Exposure controls

#### 8.2.1 Engineering measures

Provide adequate ventilation.

#### 8.2.3 Protective equipment

| | |
|---|---|
| **Eye protection** | Wear safety goggles in accordance with EN166. Eye protection equipment should be tested and approved according to regulations applicable, like NIOSH (US) or EN 166 (EU). |
| **Skin protection** | Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Butyl rubber gloves are recommended. Layer thickness 0.11mm.Breakthrough time > 480 minutes.) |
| **Other protection** | Provide eyewash station |

### 8.2.4 Hygiene measures

Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.

### 8.2.5 Environmental Exposure Controls

Keep container tightly sealed when not in use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| **a)** | **Appearance** | Liquid |
| **b)** | **Colour** | Blue |
| **c)** | **Odour** | No information available |
| **d)** | **pH-Value, Conc. Solution** | 14 |
| **e)** | **Melting point (°C)** | No information available |
| **f)** | **Initial boiling point and boiling range (°C)** | No information available |
| **g)** | **Flash point (°C)** | No information available |
| **h)** | **Evaporation rate** | No information available |
| **i)** | **Evaporation Factor** | No information available |
| **j)** | **Flammability Limit - Lower(%)** | No information available |
| **k)** | **Flammability Limit - Upper(%)** | No information available |
| **l)** | **Vapour pressure** | No information available |
| **m)** | **Vapour density (air=1)** | No information available |
| **n)** | **Relative density** | 1.022+/-0.005 |
| **o)** | **Bulk Density** | No information available |
| **p)** | **Solubility** | No information available |
| **q)** | **Decomposition temperature (°C)** | No information available |
| **s)** | **Partition coefficient; n-octanol/water** | No information available |
| **t)** | **Auto Ignition Temperature (°C)** | No information available |
| **u)** | **Viscosity** | No information available |
| **v)** | **Explosive properties** | Not considered to be explosive |
| **w)** | **Oxidising properties** | Does not meet the criteria for oxidising |

### 9.2. Other information

No information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reaction with Oxidisers.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

**Reaction with:** See section 10.1 for information on hazardous reactions.

**Hazardous Polymerisation** Will not polymerise.

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid contact with oxidisers. Do not mix with other chemicals unless listed on directions. Avoid storing in large quanitites or for long periods of time.

### 10.5. Incompatible materials

**Materials To Avoid** Avoid oxidising substances.Do not mix with other chemicals unless listed on directions.

### 10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO2) are formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### 11.1.1 Toxicological Information

No toxicological information for the overall finished product.

#### Toxicological Information on ingredients

| Name | Identifier | Acute Toxicity (Oral LD50) | Acute Toxicity (Dermal LD50) | Acute Toxicity (Inhalation LC50) |
|---|---|---|---|---|
| 2-BUTOXYETHANOL | CAS: 111-76-2 | 1746 mg/kg Rat<br><br>REACH dossier information | 0.63 mL/kg Rabbit<br><br>REACH dossier information | 450 ppm (vapours) Rat 4 hours<br><br>REACH dossier information |
| Alcohols,C12 -15, ethoxylated | CAS: 68131-39-5 | > 5000 mg/kg Rat<br><br>REACH dossier information | > 2000 mg/kg Rat<br><br>REACH dossier information | > 1.6 mg/l (dust/mist) Rat 4 hours<br><br>REACH dossier information |
| PROPAN-2-OL | CAS: 67-63-0 | No information available | No information available | No information available |

| Name | Identifier | Acute Toxicity (Oral LD50) | Acute Toxicity (Dermal LD50) | Acute Toxicity (Inhalation LC50) |
|---|---|---|---|---|
| SODIUM HYDROXIDE | CAS: 1310-73-2 | 325 mg/kg bw Rabbit<br><br>REACH dossier information | 1350 mg/kg Rabbit<br><br>IUCLID chemical data sheet. | No information available |
| Tetrapotassium Pyrophosphate | CAS: 7320-34-5 | No information available | No information available | No information available |

### 11.1.2 Acute toxicity:

**Acute Toxicity (Oral LD50)** No toxicological information for the overall finished product.

**Acute Toxicity (Dermal LD50)** No toxicological information for the overall finished product.

**Acute Toxicity (Inhalation LC50)** No toxicological information for the overall finished product.

### 11.1.3 Skin Corrosion/Irritation:

Corrosive. Causes severe skin burns

### 11.1.4 Serious eye damage/irritation:

Extreme irritation of eyes and mucous membranes, including burning and tearing. Corrosive to eyes.

### 11.1.5 Respiratory or skin sensitisation:

**Respiratory sensitisation** Inhalation of mist or vapor may cause respiratory tract irritation

**Skin sensitisation** May cause chemical burns in mouth and throat. May cause severe internal injury.

### 11.1.6 Germ cell mutagenicity:

**Genotoxicity - In Vitro** No information available.

**Genotoxicity - In Vivo** No information available.

### 11.1.7 Carcinogenicity:

**Carcinogenicity** No information available.

### 11.1.8 Specific target organ toxicity - single exposure:

**STOT - Single exposure** No information available.

**STOT - Repeated exposure** No information available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

### 12.2. Toxicity

No ecological toxicity available on the overall finished product.

**Ecological Information on ingredients**

| Name | Identifier | Acute Toxicity – Aquatic Invertebrates | Acute Toxicity – Aquatic Plants | Acute Toxicity – Fish |
|---|---|---|---|---|
| 2-BUTOXYETHANOL | CAS: 111-76-2 | EC50 48 hours 1550 mg/l Daphnia magna<br><br>REACH dossier information | EC50: 72 hr =911mg/l<br><br>NOEC :72hr= 88mg/l<br><br>Pseudokirchnerella subcapitata<br><br>REACH dossier information | LC50 96 hours 1474 mg/l Onchorhynchus mykiss (Rainbow trout)<br><br>REACH dossier information |
| Alcohols,C12 -15, ethoxylated | CAS: 68131-39-5 | EC50 48 hours 0.14 mg/l Daphnia magna<br><br>REACH dossier information | EC50 72 hours 0.75 mg/l Selenastrum capricornutum<br><br>REACH dossier information | LC50 96 hours 0.59 mg/l Pleuronectes platessa<br><br>REACH dossier information |
| PROPAN-2-OL | CAS: 67-63-0 | No information available | No information available | No information available |
| SODIUM HYDROXIDE | CAS: 1310-73-2 | EC50 48 hours 40.4 ug/L Ceriodaphnia sp<br><br>REACH dossier information | No information available | LC50 96 hours 45.4 mg/l Onchorhynchus mykiss (Rainbow trout)<br><br>IUCLID chemical data sheet. |
| Tetrapotassium Pyrophosphate | CAS: 7320-34-5 | EC50 48 hours > 100 mg/l Daphnia magna<br><br>NOEC 48 hours 100 mg/l Daphnia magna<br><br>REACH dossier information | EC50 72 hours > 100 mg/l Desmodesmus subspicatus<br><br>NOEC 72 hours > 100 mg/l Desmodesmus subspicatus<br><br>REACH dossier information | LC50 96 hours > 100 mg/l Onchorhynchus mykiss (Rainbow trout)<br><br>NOEC 96 hours 100 mg/l Onchorhynchus mykiss (Rainbow trout)<br><br>REACH dossier information |

## 12.3. Persistence and degradability

**Degradability** The degradability of the product has not been stated.

## 12.4 Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

## 12.5. Mobility in soil

**Mobility:** The product is soluble in water.

## 12.6. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

## 12.7. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**General information**

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

| | |
|---|---|
| **UN No. (ADR/RID/ADN)** | 1760 |
| **UN No. (IMDG)** | 1760 |
| **UN No. (ICAO)** | 1760 |

### 14.2. UN proper shipping name

| | |
|---|---|
| **Proper Shipping Name** | CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE) |

### 14.3. Transport hazard class(es)

| | |
|---|---|
| **ADR/RID/ADN** | 8 |
| **ADR/RID/ADN Class** | 8 |
| **ADR Label No.** | 8 |
| **IMDG Class** | 8 |
| **ICAO Class/Division** | 8 |
| **Transport Labels** |  |



### 14.4. Packing group

| | |
|---|---|
| **ADR/RID/ADN Packing group** | III |
| **IMDG Packing group** | III |
| **ICAO Packing group** | III |

### 14.5. Environmental hazards

| | |
|---|---|
| **Environmentally Hazardous Substance/Marine Pollutant** | No. |

### 14.6. Special precautions for user

| | |
|---|---|
| **EMS** | F-A, S-B |
| **Emergency Action Code** | 2X |
| **Hazard No. (ADR)** | 80 |
| **Tunnel Restriction Code** | (E) |

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## SECTION 15: REGULATORY INFORMATION

### 15.1.1 EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

### 15.1.2 Approved Code of Practice

2014 Code of Practice for the Safety, Health and Welfare at Work(Chemical Agents) Regulations 2001 (S.I. No. 619 of 2001)

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

**Indication of Changes**

| | |
|---|---|
| **Revision Date** | 25/06/2015 |
| **Revision** | 2 |
| **Risk Phrases in Full** | R34 Causes burns.<br>R35 Causes severe burns.<br>R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.<br>R22 Harmful if swallowed.<br>R36/38 Irritating to eyes and skin.<br>R36 Irritating to eyes.<br>R41 Risk of serious damage to eyes.<br>R50 Very toxic to aquatic organisms. |
| **Hazard Statements In Full** | H318 Causes serious eye damage<br>H319 Causes serious eye irritation<br>H314 Causes severe skin burns and eye damage<br>H315 Causes skin irritation<br>H332 Harmful if inhaled<br>H302 Harmful if swallowed<br>H312 Harmful in contact with skin<br>H225 Highly flammable liquid and vapour<br>H400 Very toxic to aquatic life |
| **Disclaimer** | This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. |